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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/680,858

DATE: 10/19/2000

TIME: 11:56:31

Input Set : A:\CPG.txt

Output Set: N:\CRF3\10192000\I680858.raw

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3 <110> APPLICANT: Valigen, Inc.
4     Beetham, Peter
5     Avissar, Patricia
6     Walker, Keith
8 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR PLANT GENETIC MODIFICATION
10 <130> FILE REFERENCE: 49317-0272063
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/680,858
C--> 12 <141> CURRENT FILING DATE: 2000-10-06
12 <150> PRIOR APPLICATION NUMBER: US 60/158,033
13 <151> PRIOR FILING DATE: 1999-10-07
14 <150> PRIOR APPLICATION NUMBER: US 60/173,555
15 <151> PRIOR FILING DATE: 1999-12-30
18 <160> NUMBER OF SEQ ID NOS: 14
20 <170> SOFTWARE: PatentIn version 3.0
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23 <211> LENGTH: 68
24 <212> TYPE: DNA
25 <213> ORGANISM: synthetic construct
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29 <222> LOCATION: (30)..(39)
30 <223> OTHER INFORMATION: 2'-O-ribonucleosides
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36 <223> OTHER INFORMATION: 2'-O-ribonucleosides
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53 <223> OTHER INFORMATION: 2'-O-methyl ribonucleotides
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58 <222> LOCATION: (45)..(54)
59 <223> OTHER INFORMATION: 2'-O-methyl ribonucleotides
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65 tttagcgc 68
68 <210> SEQ ID NO: 3
69 <211> LENGTH: 24
70 <212> TYPE: DNA

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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/680,858

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 TIME: 11:56:32

Input Set : A:\CPG.txt
 Output Set: N:\CRF3\10192000\I680858.raw

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74 atgggtgagca agggcgagga gctg
77 <210> SEQ ID NO: 4
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80 <213> ORGANISM: synthetic construct
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84 <222> LOCATION: (30)..(39)
85 <223> OTHER INFORMATION: 2'-O-methyl ribonucleotides
88 <220> FEATURE:
W--> 89 <221> NAME/KEY: modified_bases
90 <222> LOCATION: (45)..(54)
91 <223> OTHER INFORMATION: 2'-O-methyl ribonucleotides
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95 gtaagcaagg gctgagagct gttcattttt gaacagcucc tggcccuugc ucacgcgcgt
97 tttagcgc
100 <210> SEQ ID NO: 5
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103 <213> ORGANISM: synthetic construct
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107 <222> LOCATION: (30)..(39)
108 <223> OTHER INFORMATION: 2'-O-methyl ribonucleotides
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113 <222> LOCATION: (45)..(54)
114 <223> OTHER INFORMATION: 2'-O-methyl ribonucleotides
117 <400> SEQUENCE: 5
118 taagcaaggg ctgagagctg ttacttttg ugaacagcuc cgagcccuug cucacgcgcgt
120 tttagcgc
123 <210> SEQ ID NO: 6
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125 <212> TYPE: DNA
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131 <223> OTHER INFORMATION: 2'-O-methyl ribonucleotides
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136 <222> LOCATION: (45)..(54)
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141 caagtcgaagt gcaacgtagg atgattttta ucauccuacg ttgcacuuga ccuggcgcgt
143 tttagcgc
146 <210> SEQ ID NO: 7

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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/680,858
 DATE: 10/19/2000
 TIME: 11:56:32

Input Set : A:\CPG.txt
 Output Set: N:\CRF3\10192000\I680858.raw

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159 <222> LOCATION: (15)..(54)
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164 caggtcaagt gctacgtagg atgattttta ucauccuacg tagcaccuga ccuggcgcggt 60
165 tttagcgc
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176 <222> LOCATION: (30)..(39)
177 <223> OTHER INFORMATION: activity2'-O-methyl ribonucleotides
180 <220> FEATURE
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182 <222> LOCATION: (45)..(54)
183 <223> OTHER INFORMATION: activity2'-O-methyl ribonucleotides
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188 tttagcgc
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194 <212> TYPE: DNA
195 <213> ORGANISM: synthetic construct
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200 <223> OTHER INFORMATION: 2'-O-methyl ribonucleotides
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205 <222> LOCATION: (45)..(54)
206 <223> OTHER INFORMATION: 2'-O-methyl ribonucleotides
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220 <220> FEATURE:

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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/680,858
 DATE: 10/19/2000
 TIME: 11:56:32

Input Set : A:\CPG.txt
 Output Set: N:\CRF3\10192000\I680858.raw

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      228 <222> LOCATION: (45)...(54)
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      233 ctgcttggtg aaatgcgtgat gtacttttta guacaucagc atttccacaa gcaggcgcggt 60
      235 tttagcgc 68
      238 <210> SEQ ID NO: 11
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      241 <213> ORGANISM: synthetic construct
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      245 <222> LOCATION: (30)...(39)
      246 <223> OTHER INFORMATION: 2'-O-methyl ribonucleotides
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W--> 250 <221> NAME/KEY: modified_bases
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      252 <223> OTHER INFORMATION: 2'-O-methyl ribonucleotides
      255 <232> SEQUENCE: 11
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      258 tttagcgc 68
      261 <210> SEQ ID NO: 12
      262 <211> LENGTH: 68
      263 <212> TYPE: DNA
      264 <213> ORGANISM: synthetic construct
      266 <216> FEATURE
W--> 267 <221> NAME/KEY: modified_bases
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      274 <222> LOCATION: (45)...(54)
      275 <223> OTHER INFORMATION: 2'-O-methyl ribonucleotides
      278 <232> SEQUENCE: 11
      279 cgtctccacc tgaatgacc gagaattttu ucucgggucattctagauggg agcggcgcggt 60
      281 tttagcgc 68
      284 <210> SEQ ID NO: 13
      285 <211> LENGTH: 68
      286 <212> TYPE: DNA
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W--> 290 <221> NAME/KEY: modified_bases
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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/680,858

DATE: 10/19/2000
 TIME: 11:56:32

Input Set : A:\CPG.txt
 Output Set: N:\CRF3\10192000\1680858.raw

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      304 tttagcgc 68
      307 <210> SEQ ID NO: 14
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      309 <212> TYPE: DNA
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      315 <223> OTHER INFORMATION: 2'-O-methyl ribonucleotides
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W--> 319 <221> NAME/KEY: modified_bases
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      321 <223> OTHER INFORMATION: 2'-O-methyl ribonucleotides
      324 <400> SEQUENCE: 14
      325 cgatgatccc aagtgtgtgc acttttttta aagugccacc acttgggauc augggcgcgt 69
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VERIFICATION SUMMARY
PATENT APPLICATION US/09/680,858DATE: 10/19/2000
TIME: 11:50:33Input Set : A:\CPG.txt
Output Set : N:\CRF3\10192000\I680858.raw

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L:12 M:271 C: Current Filing Date differs. Replaced Current Filing Date
L:28 M:257 W: Feature value mis-spelled or invalid. <221> Name key for SEQ ID#:1
L:34 M:257 W: Feature value mis-spelled or invalid. <221> Name key for SEQ ID#:1
L:51 M:257 W: Feature value mis-spelled or invalid. <221> Name key for SEQ ID#:2
L:57 M:257 W: Feature value mis-spelled or invalid. <221> Name key for SEQ ID#:2
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L:181 M:257 W: Feature value mis-spelled or invalid. <221> Name key for SEQ ID#:8
L:198 M:257 W: Feature value mis-spelled or invalid. <221> Name key for SEQ ID#:9
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L:121 M:257 W: Feature value mis-spelled or invalid. <221> Name key for SEQ ID#:10
L:127 M:257 W: Feature value mis-spelled or invalid. <221> Name key for SEQ ID#:10
L:144 M:257 W: Feature value mis-spelled or invalid. <221> Name key for SEQ ID#:11
L:150 M:257 W: Feature value mis-spelled or invalid. <221> Name key for SEQ ID#:11
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L:190 M:257 W: Feature value mis-spelled or invalid. <221> Name key for SEQ ID#:13
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